

PATENT ABSTRACTS OF JAPAN

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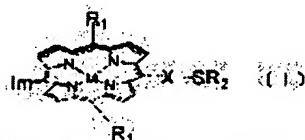
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(54) NEW MERCAPTO-SUBSTITUTED IMIDAZOLYLPORPHYRIN METAL
COMPLEX MONOMER, POLYMER HAVING THE SAME AS RECURRING
UNIT AND METHOD FOR PRODUCING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a device which is a transmitting device of an extremely minute light energy and electronic energy in a nanometer scale capable of being applied and developed to an artificial photosynthesis and a new material for solar cells, allows to strongly and stably connect to the surface of an electrode, has easiness of connection and disconnection and is formed by self- organization.

SOLUTION: This mercapto-substituted imidazolylporphyrin metal complex monomer is represented by general formula (1) and the polymer has the metal complex monomer as a monomer.

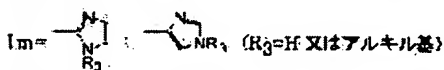


R₁=アルキル基、芳香族アリール基、アルキル置換アリール基、
又はアルキルオキシ置換アリール基

M=Zn, Co, Ru, Fe, Cu

X=アリール基及びアルキレン基の少なくとも一方を含む二価の基

R₂=H又はアセチル基



(2)

(3)

LEGAL STATUS

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